TOSHIBA 4399260

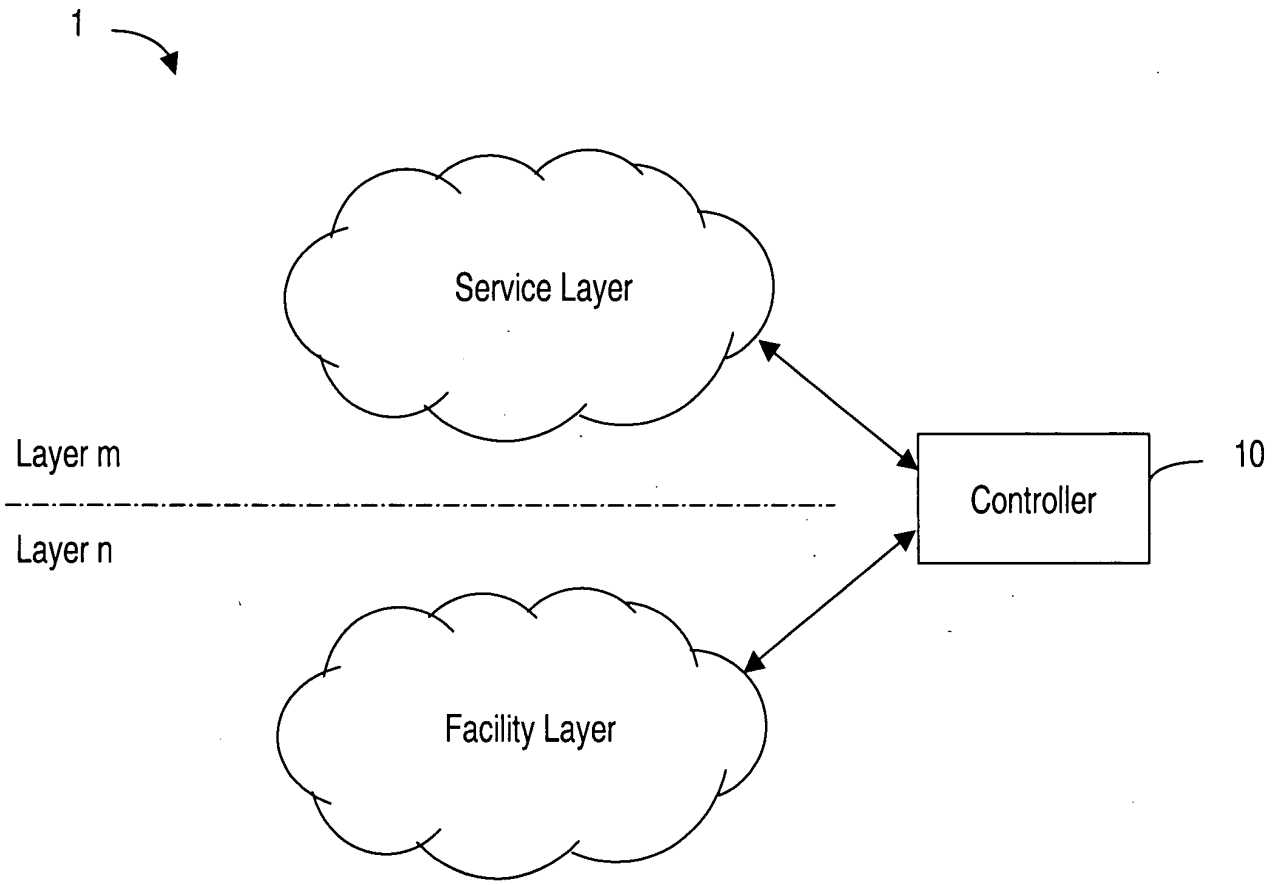

FIGURE 1

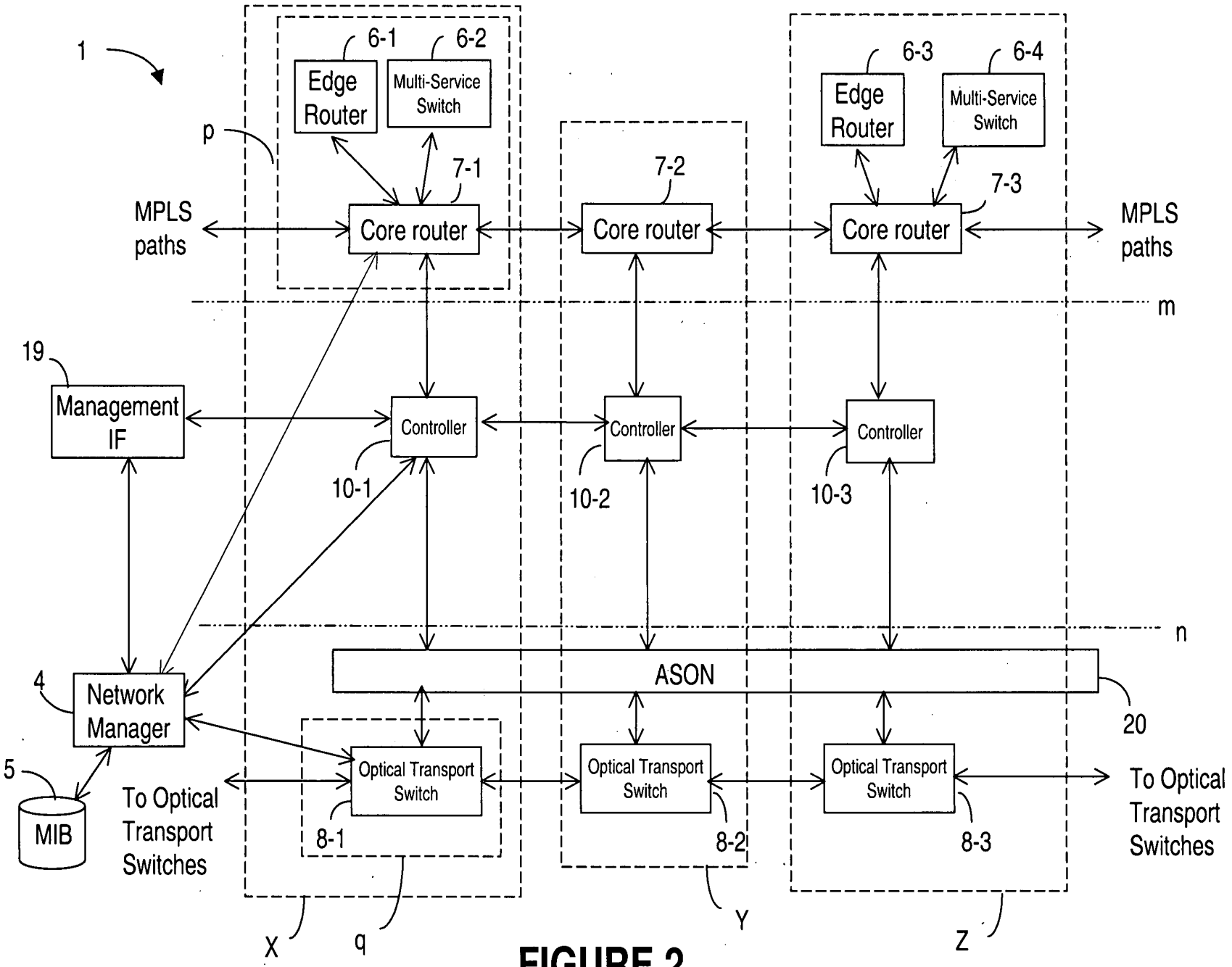
1
6-1
6-2
Edge Router
Multi-Service Switch
p
7-1
MPLS paths
Core router
7-2
Core router
6-3
6-4
Edge Router
Multi-Service Switch
7-3
Core router
MPLS paths
m
19
Management IF
Controller
10-1
Controller
10-2
Controller
10-3
n
ASON
20
4
Network Manager
5
MIB
To Optical Transport Switches
Optical Transport Switch
8-1
Optical Transport Switch
8-2
Optical Transport Switch
8-3
To Optical Transport Switches
X
q
Y
Z

FIGURE 2

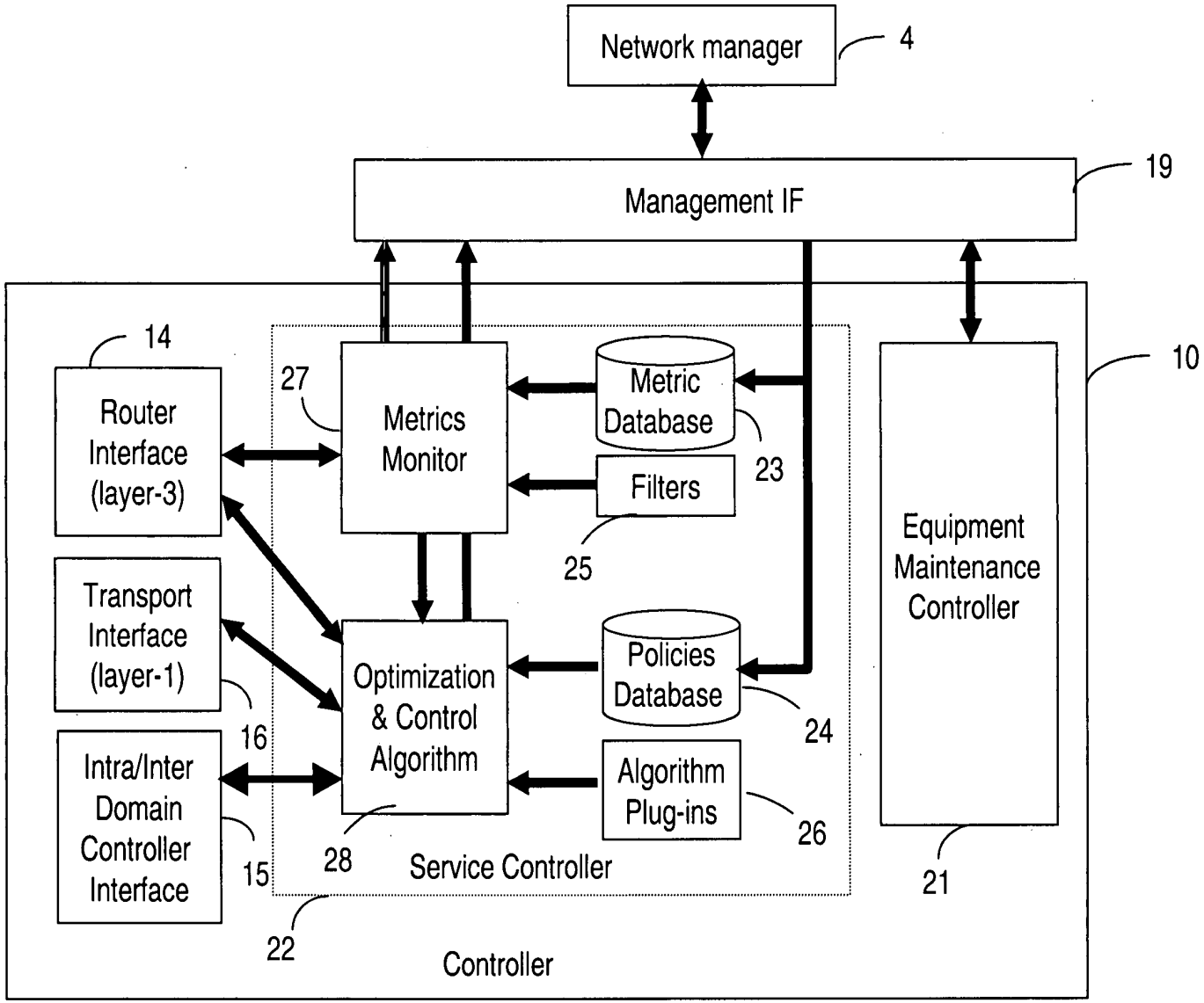
Network manager
4
Management IF
19
10
14
Router Interface (layer-3)
27
Metrics Monitor
Metric Database
23
Filters
25
Transport Interface (layer-1)
16
Optimization & Control Algorithm
Policies Database
24
Intra/Inter Domain Controller Interface
15
28
Service Controller
Algorithm Plug-ins
26
Equipment Maintenance Controller
21
22
Controller

FIGURE 3

TOSHIBA-4356260

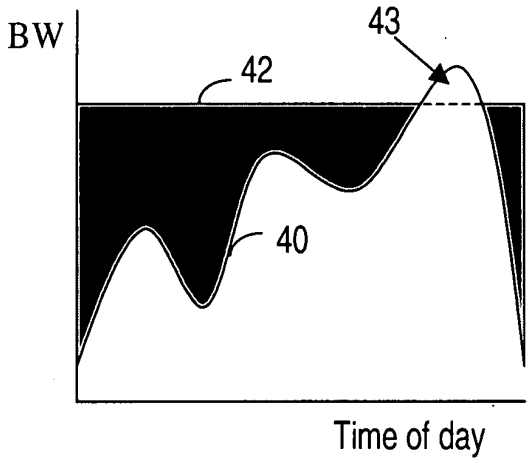

FIGURE 4

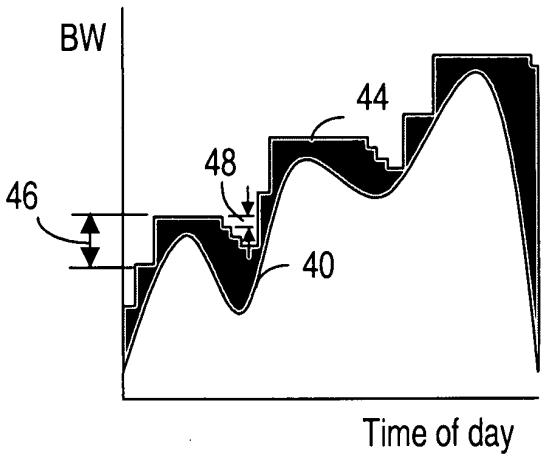

FIGURE 5

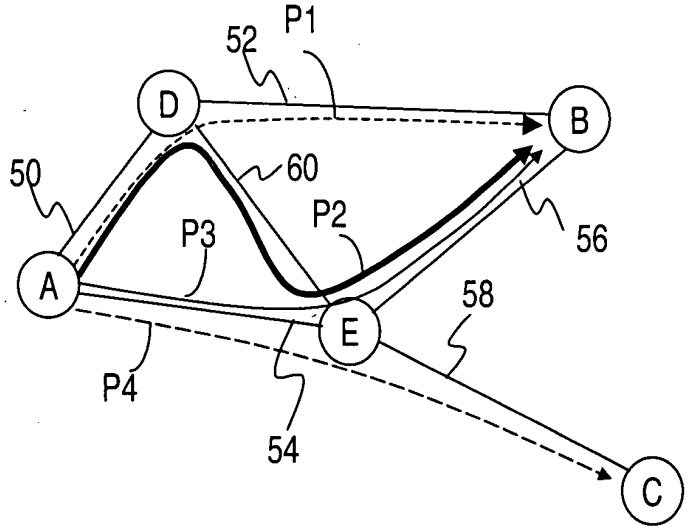

FIGURE 6

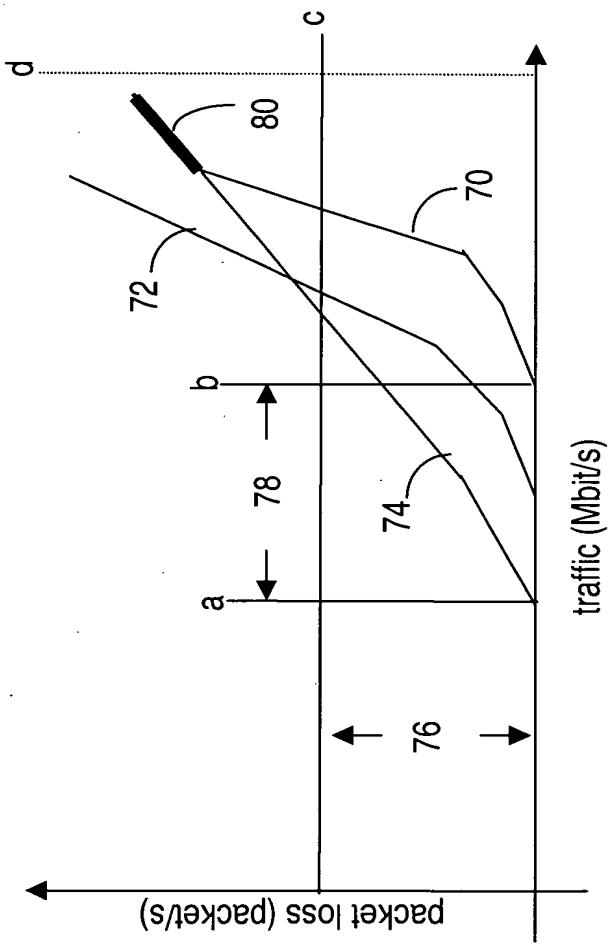

FIGURE 7

T0S9B3D "4a39b2b0

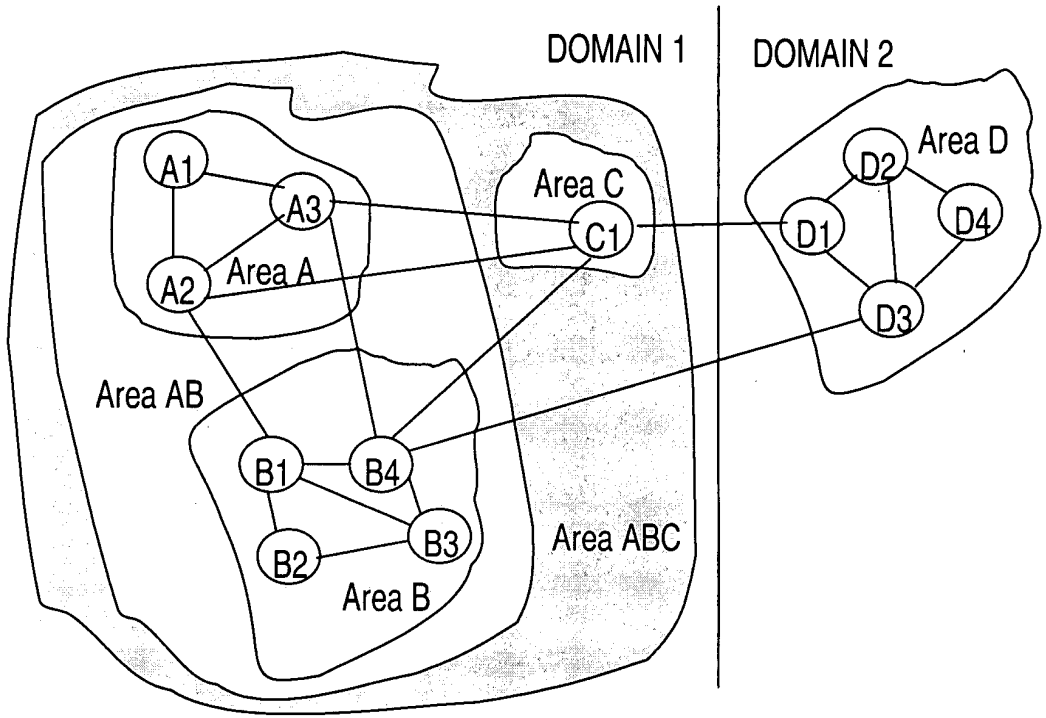

FIGURE 8

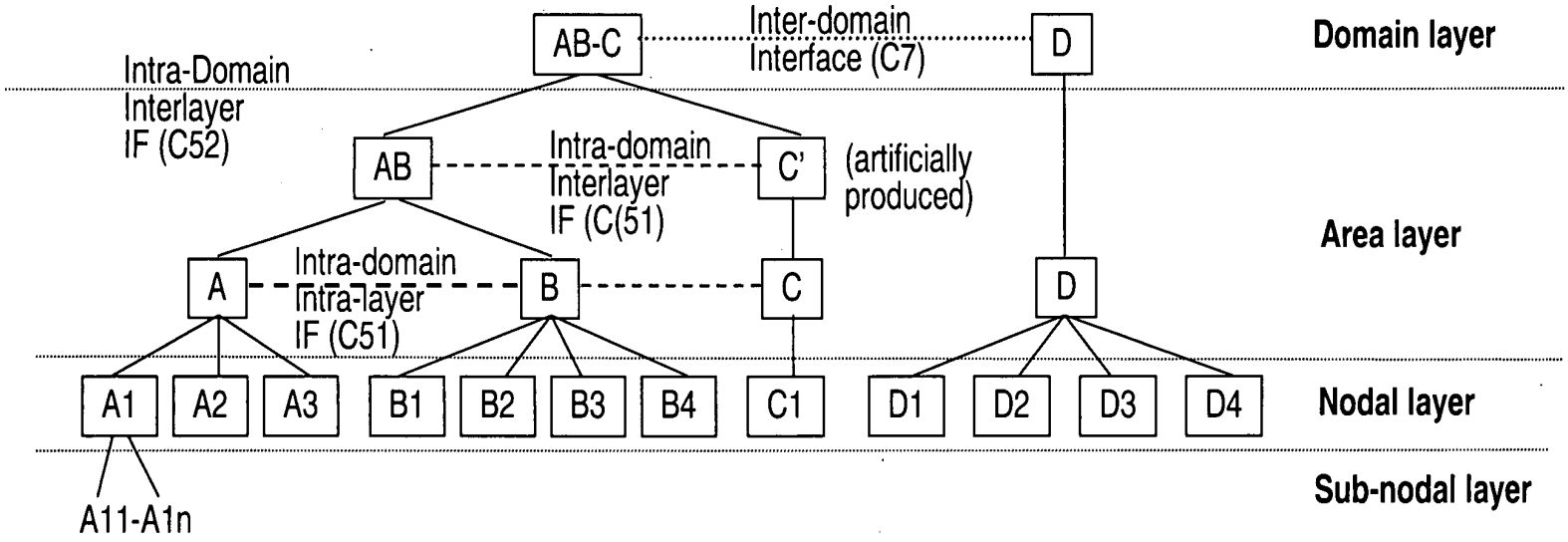
AB-C
Inter-domain
Interface (C7)
D
Domain layer
Intra-Domain
Interlayer
IF (C52)
AB
Intra-domain
Interlayer
IF (C(51)
C'
(artificially
produced)
Area layer
A
Intra-domain
Intra-layer
IF (C51)
B
C
D
A1
A2
A3
B1
B2
B3
B4
C1
D1
D2
D3
D4
Nodal layer
Sub-nodal layer
A11-A1n

FIGURE 9